

53883-322

2/27/2014

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460-0001

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

February 27, 2014

Mr. Bert Volger
Consultant for
Control Solutions, Inc.
c/o Ceres International, LLC
1087 Heartsease Drive
West Chester, PA 19382

**Subject: Amended Labeling; Proposed Addition of Additional Pests
CSI PY-PBO 0.5-5 Fogging Concentrate, EPA Reg. No. 53883-322
Your Submission Dated August 12, 2013 & E-Resubmission Dated February 27, 2014**

Dear Mr. Volger:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable.

While efficacy data for control of *Ochlerotatus* spp. are adequate to demonstrate control of *Aedes* spp., acceptable efficacy data for control of *Culex* and *Anopheles* spp. via aerial application are necessary to support the addition of claims and use directions for wide-area mosquito adulticiding by air to the subject master label.

Copies of your label stamped "Accepted" as well as the efficacy review completed in support of this label amendment are enclosed for your reference and records. If you have any questions about this label review, please contact Mr. Carmen Rodia at (703) 306-0327 or via e-mail at Rodia.Carmen@epa.gov.

Sincerely yours,

Handwritten signature of Carmen J. Rodia, Jr. in black ink.

Richard J. Gebken,
Product Manager (10)
Insecticide Branch,
Registration Division (7504P)

Enclosures: Label Stamped "Accepted," dated February 27, 2014
Efficacy Review, dated February 24, 2014

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CSI PY-PBO 0.5-5 Fogging Concentrate

{Select marketing claims from "Marketing Claims" section below}

Active Ingredients:

Pyrethrins (CAS No. 8003-34-7)	0.5%
Piperonyl butoxide* (CAS No. 51-03-6).....	5.0%
Other Ingredients**	94.5%
Total	100.0%

*(butyl carbityl) (6-propylpiperonyl) ether and related compounds

**Contains petroleum distillate

Contains 0.033 pound Pyrethrins per gallon

Keep Out of Reach of Children

CAUTION

See back [side] panel for First Aid and additional Precautionary Statements

EPA Reg. No. 53883-322 EPA Est. _____

Net Contents: _____Gallon(s)

ACCEPTED
 February 27, 2014
 Under the Federal Insecticide, Fungicide,
 and Rodenticide Act, as amended, for the
 pesticide registered under:

EPA. Reg. No: 53883-322

First Aid

If Swallowed:	<ul style="list-style-type: none"> Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or a doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.
If on Skin or Clothing:	<ul style="list-style-type: none"> Take off contaminated clothing. Immediately rinse skin with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If in Eyes:	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.
If Inhaled:	<ul style="list-style-type: none"> Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Note to Physician: Contains petroleum distillate; vomiting may cause aspiration pneumonia.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For additional information on this product (including health concerns, medical emergencies or pesticide incidents), you may call the National Pesticide Information Center at 1-800-858-7378, Monday through Friday from 7:30 AM to 3:30 PM Pacific Time. After 3:30 PM Pacific Time and on weekends, call your poison control center. You may also contact SafetyCall® International at (866) 897-8050 for emergency medical treatment information.

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PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

CAUTION: Contains petroleum distillates. Harmful if swallowed, inhaled, or absorbed through the skin. Avoid contact with skin, eyes or clothing. Causes moderate eye irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Wear long-sleeved shirt, long pants, shoes and socks, and gloves.

Personal Protective Equipment (PPE)

Mixers, loaders, applicators and other handlers must wear: Long-sleeved shirt, long pants, shoes and socks.

In addition to the above PPE, applicators using a high pressure handwand in an enclosed area must wear at least a NIOSH-approved respirator with a dust/mist filter with a MSHA/NIOSH-approval number prefix TC-21C or any N, R, P or HE filter.

In addition to the above PPE, applicators using hand held foggers in an enclosed area must wear a half-face, full-face or hood-style NIOSH-approved respirator with:

- a dust/mist filtering cartridge (MSHA/NIOSH-approval number prefix TC-21C) or
- a canister approved for pesticides (MSHA/NIOSH-approval number prefix TC-14G) or
- a cartridge or canister with any N, R, P or HE filter.

See Engineering controls for additional requirements.

User Safety Requirements

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with the product's concentrate; do not reuse them.

User Safety Recommendations

- Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product.
- Wash the outside of gloves before removing.
- As soon as possible, wash thoroughly and change into clean clothing.

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{Products labeled exclusively for indoor use may omit the following Environmental Hazards statements:}

Environmental Hazards

Terrestrial Applications: This product is toxic to aquatic organisms, including fish and invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. This product may contaminate water through runoff. This product has a potential for runoff for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

Except as specified in the directions for use, do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

For Ground-Based Wide-Area Mosquito Adulticide Applications: This product is toxic to aquatic organisms, including fish and invertebrates. Runoff from treated areas or deposition of spray droplets into a body of water may be hazardous to fish and aquatic invertebrates.

When applying as a ground-based wide-area mosquito adulticide, before making the first application in a season, it is advisable to consult with the state or tribal agency with primary responsibility for pesticide regulation to determine if other regulatory requirements exist.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply when bees are visiting the treatment area, except when applications are made to prevent or control a threat to public and/or animal health determined by a state, tribal, or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito-borne disease in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort.

When applying as a ground-based wide-area mosquito adulticide, do not apply over bodies of water (lakes, rivers, permanent streams, natural ponds, commercial fish ponds, swamps, marshes or estuaries), except when necessary to target areas where adult mosquitoes are present, and weather conditions will facilitate movement of applied material away from the water in order to minimize incidental deposition into the water body.

Physical or Chemical Hazards

Do not use or store near heat or open flame. **Note:** Some furniture finishes and particularly plastics can be damaged by petroleum-based insecticides. To avoid damage, cover those items and do not spray directly. If in doubt, before fogging, test article by applying this material to an inconspicuous area then observe for undesirable effects.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Use Restrictions

When Used Outdoors:

- Apply this product only as specified on the label.
- This product is not for direct application to companion animals (dogs, cats, puppies, or kittens).
- This product is not to be used for aerial wide-area mosquito adulticide applications.

- Except when applying as a ground-based wide-area mosquito adulticide, do not enter or allow others to enter until sprays have dried.
- ~~Except when applying as a ground-based wide-area mosquito adulticide, do not apply this product in a way that will contact workers or other persons, either directly or through drift.~~
- Except when applying as a ground-based wide-area mosquito adulticide, only protected handlers may be in the area during application.
- Do not make applications during rain.
- Do not water the treated area to the point of run-off.
- Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.
- When used outdoors around residential areas: All outdoor applications, if permitted elsewhere on this label, must be limited to only spot or crack-and-crevice treatment only, except for the following permitted uses, if allowed elsewhere on this label:
 1. Applications to soil or vegetation, as listed on this label, around structures;
 2. Applications to lawns, turf, and other vegetation, as listed on this label;
 3. Applications to the side of a building, up to a maximum height of 3 feet above grade;
 4. Applications to underside of eaves, soffits, doors, or windows permanently protected from rainfall by a covering, overhang, awning, or other structure;
 5. Applications around potential pest entry points into buildings, when limited to a surface band not to exceed one inch in width; and
 6. Applications made through the use of a coarse, low pressure spray to only those portions of surfaces that are directly above bare soil, lawn, turf, mulch or other vegetation, as listed on this label, and not over an impervious surface, drainage or other condition that could result in run-off into storm drains, drainage ditches, gutters, or surface waters, in order to control occasional invaders or aggregating pests.

When Used Indoors:

- Apply this product only as specified on the label.
- Do not contaminate food or feedstuffs.
- Do not use in aircraft cabins.
- This product is not for use in outdoor residential misting systems (indoor or outdoor).
- Remove pets, birds and cover fish aquariums before application.
- Remove or cover exposed food and drinking water before application.
- Remove or cover dishes, utensils, food processing equipment and food preparation surfaces, or wash them before use.
- Do not enter or allow others to enter until vapors, mists and aerosols have dispersed, and the treated area has been thoroughly ventilated.
- Do not remain in treated area. Immediately exit area and remain outside the treated area until aerosols, vapors and/or mists have dispersed.
- When used in dairy barns or facilities: Close milk tank lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking.
- When used indoors in food handling/processing facilities: Do not make space spray applications when facility is in operation. Prior to space spray applications cover or remove exposed food; cover food processing surfaces or clean after treatment and before use.
- Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.
- In hospitals, patients must be removed prior to treatment. The room must be ventilated for 2 hours after spraying. Do not return patients to room until after ventilation.

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Space Spray – Indoor: To kill accessible, exposed stages of Cheese skippers, Flies (including Fruit flies), Gnats, Hornets, Mosquitoes (ground-based wide-area applications only) , Small flying moths, Wasps and these common Stored product pests: Angoumois grain moths, Cigarette beetles, Confused flour beetles, Drugstore beetles, Grain mites, Granary weevils, Indian meal moths, Mediterranean flour moths, Meal worms, Rice weevils, Saw-toothed grain beetles, Spider beetles and Tobacco moths. Close windows and doors and shut off ventilating systems. Use a fogger or vaporizer adjusted to deliver an aerosol spray (no droplets over 50 microns in diameter and 80% less than 30 microns). Apply at the rate of 1 ounce per 1,000 cubic feet of space. Direct the spray toward the ceiling and upper corners of the area behind obstructions. To kill hornets and wasps, apply directly to nests in the evening when the insects have returned to nests. Keep the area closed for at least 15 minutes. Vacate treated area and thoroughly ventilate before re-occupying.

Space and Contact Spray: Use full strength or dilute as desired according to dilution table (see below) and apply through equipment that delivers a pin stream spray. To kill accessible, exposed stages of Carpenter Ants, Cheese mites, Clover mites, Crickets, Earwigs, German Cockroaches, Scorpions, Silverfish and Black widow spiders, first direct pin stream spray in all cracks and crevices in woodwork, walls and floors; underneath sinks; behind pipes and in all places where these insects are known to seek shelter. Contact as many insects as possible. Directly spray all ant hills and trails. Then, shut all doors, windows and ventilating systems and proceed with space spraying directions as given above. Use a dosage rate of 1 ounce per 1,000 cubic feet of space; or if diluted 1-2 ounces per 1,000 cubic feet of space. Keep the area closed for at least 15 minutes. Vacate treated area and thoroughly ventilate before re-occupying.

Dilution: Use a white mineral oil conforming to 21 CFR § 121.2589(b) or an odorless light petroleum hydrocarbon conforming to 21 CFR § 121.1182, 40 CFR § 180.910 (Inert ingredients used pre- and post-harvest; exemptions from the requirement of a tolerance), and/or 40 CFR § 180.930 (Inert ingredients applied to animals; exemptions from the requirement of a tolerance). Combine oil and CSI PY-PBO 0.5-5 Fogging Concentrate [this product] as directed below. Mix well just prior to application.

Dilution Table

Desired Pyrethrin Percentage	Mixture Rate	Application Rate per 1,000 Cubic Feet
0.3	3 parts concentrate to 2 parts oil	1-2 ounces
0.15	3 parts concentrate to 7 parts oil	1-2 ounces

Spot Application: With equipment designed for deep void Ultra Low Volume (ULV) applications, follow the manufacturer's recommendations for proper equipment setup and operating pressures. Place the tip of the applicator at or into the crack and crevice to be treated. Apply product in short bursts while keeping tip in position. Allow the air stream to push insecticide deep into voids. Do not apply to the point of runoff or drip. Reapply once per day if retreatment is necessary. Vacate treated area and thoroughly ventilate before re-occupying.

Linear Application Along Baseboards, Trim Moldings, Other Cracks, Crevices, Deep Voids, Etc.: With equipment designed for deep void ULV application, move applicator tip along the crevice to be treated applying a constant burst of insecticide. Move the tip at a steady rate of approximately 1 foot per second. Do not apply to the point of runoff or drip. Reapply once per day if retreatment is necessary. Vacate treated area and thoroughly ventilate before re-occupying.

Outdoor Use

Outdoor Ground Fogging Application: Use to kill Flies, Gnats and Mosquitoes in open areas near buildings and in campgrounds. Use preferably at a time when temperature is cool (75°F or less) and the wind velocity is approximately 5 mph or less.

Hand-Held Equipment: When using ULV equipment, apply at the rate of 4 ounces per acre. Allow spray drift to penetrate foliage. Repeat application as required for control.

For wide-area community applications, see the **Wide-Area Mosquito Control** section for appropriate wide-area community application Directions for Use.

For Use on Animals

This product is not for direct application to domestic (companion) animals (dogs, cats, puppies, or kittens). To protect horses and beef/dairy cattle from Gnats, Horn flies and Mosquitoes (ground-based wide-area applications only), apply a light mist sufficient to wet the tips of the hair. To control Deer flies, and Stable flies on horses and beef/dairy cattle, apply 2 ounces per adult animal, sufficient to wet the hair but not to soak the hide.

In Mushroom Processing

In canning and packing plants, apply at a rate of 1 ounce to 2,000 cubic feet of space.

[In addition to the sites listed on the front panel,] use CSI PY-PBO 0.5-5 Fogging Concentrate [this product] in the following sites:

Indoors:

Animal areas/quarters	Grain mills	Railroad cars
Auditoriums	Grain handling equipment	Recreational vehicles
Bakeries	Granaries	Research animal areas
Beverage plants	Homes	Restaurants
Boats	Horse stables/barns	Restrooms
Bottling plants	Hospices	Rice mills
Brandy storage warehouses	Industrial installations	Sewers
Buildings	Institutions	Shade houses
Buses	Jails	Ships
Cabins	Laboratories	Ships holds
Canneries	Libraries	Stables
Cattle barns	Livestock barns	Stable bins
Churches	Loafing sheds	Stored food in multi-walled, paper or cloth bags
Closets	Locker rooms	Stored seed warehouses
Condominiums	Mausoleums	Stores
Communication centers	Meat packing plants	Supermarkets
Correctional facilities	Milk rooms	Swine houses
Dairy/livestock barns	Mills	Textile mills/warehouses
Dried fruit processing plants	Missions	Theaters
Drains	Mobile homes	Tobacco plants
Dried fruit warehouses	Museums	Tobacco warehouses
Drugstores	Mushroom processing plants	Townhouses
Dumpsters	Nursing homes	Trains
Dwellings	Offices	Transportation equipment
Egg processing plants	Office buildings	Trucks
Factories	Passenger rail cars	Truck trailers
Flour mills	Peanut processing plants	Utilities
Food handling establishments	Peanut storage warehouses	Utility rooms
Food processing plants	Planes	Voids (attics, walls, ceilings)
Freight containers	Poultry houses	Warehouses
Fruit packing sheds	Poultry processing plants	Wineries
Garbage cans	Prisons	Wine storage warehouses
Garbage compactors	Public buildings	Zoos
Goat houses	Rabbit processing plants	
Grain elevators	Rabbit houses	

CSI PY-PBO 0.5-5 Fogging Concentrate [This product] is effective against [kills] the following insects when used according to label directions:

Almond moths	Deer flies	Merchants grain beetles
American black flour beetles	Depressed flour beetles	Mexican grain beetles
Angoumois grain moths	Dermestid beetles	Millipedes
Carpenter Ants	Dried fruit beetles	Mites
Aphids	Drugstore beetles	Mosquitoes (ground-based wide-area applications only)
Barn flies	Earwigs	Murmidius beetles
Bean weevils	European grain moths	Mushroom flies
Bees	Face flies	Palmetto bugs
Black carpet beetles	Fire ants	Pill bugs
Black fungus beetles	Firebrats	Pink scavenger caterpillars
Black widow spiders	Flat grain beetles	Red flour beetles
Blow flies	Fleas	Red horned grain beetles
Bottle flies	Flies	Red spider mits
Broadhorned flour beetles	Foreign grain beetles	Rice moths
Broadnosed grain weevils	Fruit flies	Rice weevils
Brown dog ticks	Fungus beetles	Roaches
Brown spider beetles	Fungus gnats	Rusty grain beetles
Cabbage loopers	German Cockroaches	Saw-toothed grain beetles
Cabbage worms	Gnats	Scorpions
Carpenter ants	Grain mites	Sheep ticks
Carpet beetles	Granary weevils	Silverfish
Catorama beetles	Grasshoppers	Skipper flies
Centipedes	Ground beetles	Slenderhorned flour beetles
Cereal beetles	Hairy fungus beetles	Smalleyed flour beetles
Cheese mites	Hairy spider beetles	Sowbugs
Cheese skippers	Hide beetles	Spider beetles
Chiggers	Horn flies	Spider beetles
Chocolate moths	Hornets	Spider mites
Chrysanthemum leaf miners	Indian meal moths	Spinose ear ticks
Cigarette beetles	Khapra beetles	Squarenecked grain beetles
Clothes moths	Large black flour beetles	Stable flies (ground-based wide-area applications only)
Clover mites	Larger grain borers	Thrips
German Cockroaches	Lesser grain borers	Tobacco moths
Cocoa bean moths	Lesser mealworms	Trogoderma beetles
Coffee bean weevils	Longheaded flour beetles	Two-banded beetles
Confused flour beetles	Maize weevils	Vegetable leaf miners
Corn sap beetles	Meal moths	Vinegar flies
Crickets	Mealy bugs	
Dark mealworms	Mediterranean moths	

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Wasps
Waterbugs

White marked spider beetles
Yellow jackets
Yellow mealworms

Ground-Based Wide-Area Mosquito Control

For wide-area community applications by ground equipment, ultra low volume (ULV) sprays or fogs.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Use Restrictions

For Ground-Based Wide-Area Mosquito Adulticide Applications

For use by Federal, state, tribal or local government officials responsible for public health or vector control, or by persons certified in the appropriate category or otherwise authorized by the state or tribal lead pesticide regulatory agency to perform adult mosquito control applications, or by persons under their direct supervision.

- Apply this product only as specified on the label.

The maximum application rate for wide area mosquito adulticide applications is 0.0025 lbs. pyrethrin per acre, or 0.025 lbs. piperonyl butoxide per acre, whichever is lower. When targeting *Aedes Taeirorhynchus* and other difficult species, applications may be made up to 0.008 lbs. pyrethrin per acre per day, or 0.08 lbs. piperonyl butoxide per acre per day, whichever is lower.

Do not apply more than 0.2 lbs. pyrethrin per acre per year, or 2.0 lbs. piperonyl butoxide per acre per year, whichever is lower, in any treated area. More frequent treatments may be made to prevent or control a threat to public and/or animal health determined by a state, tribal, or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito-borne disease in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort.

- Except when applying as a ground-based wide-area mosquito adulticide, do not enter or allow others to enter until vapors, mists and aerosols have dispersed, and the treated area has been thoroughly ventilated.
- Except when applying this product as a ground-based wide-area mosquito adulticide, do not apply this product in a way that will contact workers or other persons, either directly or through drift.
- Except when applying this product as a ground-based wide-area mosquito adulticide, only protected handlers may be in the area during application.
- This product is not for use in outdoor residential misting systems (indoor or outdoor).

Outdoor Use - Ground-Based Wide-Area Mosquito Control Use at 0.1% through 0.5% Rates

Outdoor Ground-Based Wide-Area Fogging Application: Use to kill mosquitoes in open areas near buildings and in campgrounds. Use preferably at a time when temperature is cool (75°F or less) and the wind velocity is approximately 5 mph or less.

Dilution: Use a white mineral oil conforming to 21 CFR § 178.3620(b); or an odorless light petroleum hydrocarbon conforming to 21 CFR § 172.882 or 40 CFR § 180.910 (Inert ingredients used pre and post-harvest; exemptions from the requirement of a tolerance); or 40 CFR § 180.930 (Inert ingredients applied to animals; exemptions from the

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requirement of a tolerance). Combine oil and CSI PY-PBO 0.5-5 Fogging Concentrate [this product] as directed below and mix well just prior to application.

Desired Pyrethrins Percentage	Dilution Rate	Fluid Ounces of Diluted Product Delivers 0.0025 Pound Pyrethrins Per Acre
0.5%	1 part concentrate to 1 part oil	19.4
0.3%	6 parts concentrate to 7 parts oil	32.2
0.25%	1 part concentrate to 4 parts oil	38.8
0.15%	6 parts concentrate to 17 parts oil	64.4
0.1%	1 part concentrate to 9 parts oil	97

Use diluted CSI PY-PBO 0.5-5 Fogging Concentrate [product] for mosquito control programs involving residential, industrial, recreational and agricultural areas as well as swamps, marshes, overgrown waste areas, roadsides and pastures where adult mosquitoes occur. This product's dilution may be used over agricultural crops. For best results, apply when temperature is at least 50°F and when meteorological conditions create a temperature inversion with wind speed greater than 1 mph. Apply so the wind will carry the insecticidal fog into the area being treated. Do not apply more than 0.2 pound [lb.] pyrethrin per acre per year and 2 pounds [lbs.] piperonyl butoxide per acre per year in any treated area. More frequent treatments may be made to prevent or control a threat to public and/or animal health determined by a state, tribal or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes, the occurrence of mosquito-borne disease in animal or human populations or specifically approved by the state or tribe during a natural disaster recovery effort.

Wind Speed: Apply only when wind speed is greater than or equal to 1 mph.

Ground-Based Application: To kill adult mosquitoes and biting flies, apply up to 0.0025 [lb.] pounds of pyrethrins per acre. Spray equipment must be adjusted so that the volume median diameter (VMD) is less than 30 microns (Dv 0.5 < 30 µm) and that 90% of the spray is contained in droplets smaller than 50 microns (Dv 0.9 < 50 µm). Directions from the equipment manufacturer or vendor, pesticide registrant or a test facility using a laser-based measurement instrument must be used to adjust equipment to produce acceptable droplet size spectra. Application equipment must be tested annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated.

Truck-Mounted ULV Application: Apply at the rate of up to 0.0025 [lb.] pound per acre while the machine is traveling 10 mph. Position the nozzle approximately 30° above the horizontal off the side of the truck bed. The delivery rate and truck speed may be varied provided the application rate is 0.0025 [lb.] pound of Pyrethrins per acre (use a 300-foot swath width for acreage calculations). When using truck mounted ULD equipment, spray at a dosage rate of up to 138 ounces per minute (0.1%) or up to 27.6 ounces per minute (0.5%) from a location up-wind of the areas where insects are to be killed. Keep speed of vehicle to 5 to 20 mph. Figure application travel path for a coverage of a 300-foot swath. Apply no more than 0.0025 pound per acre per day.

**Flow Rate for Maximum Delivery
300-Foot Swaths**

Vehicle Speed	Desired Pyrethrins Percentage Ounces per Minute	
	0.1%	0.5%
5 mph	138	27.6
10 mph	69	13.8
20 mph	34.5	6.9

Hand-held Equipment or Backpack: When using such equipment, apply at the rate of up to 8 undiluted ounces per acre in a 30-foot swath. Allow spray drift to penetrate dense foliage. When used in cold aerosol generators, mechanical/electronic foggers or misting equipment that produce a fog with the majority of droplets in the 5-50 micron range, dilute this product with light mineral oil (specific gravity of approximately 0.8 at 60°F; boiling point: 500-840°F). An N.F. [National Formulary (N.F.)] grade oil is preferred.

{For product in rigid, non-refillable containers less than or equal to 5 gallons;}

Storage and Disposal

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in a cool, dry (preferably locked) area that is inaccessible to children and animals. Store away from food and pet food. **Pesticide Disposal:** Wastes resulting from the use of this product must be disposed on site or at an approved waste disposal facility. **Container Handling:** Non-refillable container; do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available or dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

{For product in rigid, non-refillable containers greater than 5 gallons;}

Storage and Disposal

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in a cool, dry (preferably locked) area that is inaccessible to children and animals. Store away from food and pet food. **Pesticide Disposal:** Wastes resulting from the use of this product must be disposed on site or at an approved waste disposal facility. **Container Handling:** Non-refillable container; do not reuse or refill this container. Triple rinse (or equivalent) container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling if available or dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

{For product in rigid, refillable containers;}

Storage and Disposal

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in a cool, dry (preferably locked) area that is inaccessible to children and animals. Store away from food and pet food. **Pesticide Disposal:** Wastes resulting from the use of this product must be disposed on site or at an approved waste disposal facility. **Container Handling:** Refillable container; refill this container only with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before refilling is the responsibility of the refiller; cleaning before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water, then vigorously agitate or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure 2 more times. Offer for recycling if available or dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

{Per PR Notice 2007-4 the batch code/lot number will appear on the label or container.}

LIMITATION OF WARRANTY AND LIABILITY

Read the entire direction for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following **CONDITIONS, DISCLAIMER OF WARRANTIES, and LIMITATIONS OF LIABILITY.**

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risk associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Control Solutions, Inc. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, Control Solutions, Inc. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Control Solutions, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Control Solutions, Inc. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Control Solutions, Inc election, the replacement of product.

[Manufactured for:] [Distributed by:]
Control Solutions, Inc.
5903 Genoa-Red Bluff
Pasadena, TX 77507-1041

{Marketing Claims}

Add marketing statements, graphics, etc. here.

- For use in edible product areas of official establishments operating under the federal meat, poultry, shell egg grading and egg products inspection programs and in other food processing plants.
- For Use In and Around Animal areas/quarters, Bakeries, Cattle barns, Dairy/livestock barns, Egg processing plants, Flood handling establishments, Food processing plants, Homes, Industrial installations, Meat packing plants, Milk rooms, Nursing homes, Office buildings, Poultry houses, Poultry processing plants and Restaurants.
- For use on {select from sites listed in Directions for Use}.
- Kills {select from insects listed on label}. Kills Angoumois grain moths, Black widow spiders, Carpenter ants, German Cockroaches, Granary weevils, Indian meal moths, Mites, Mosquitoes (ground-based wide-area applications only), and Rice weevils.

{End of Marketing Claims}

[] Denotes alternate/optional language
{ } Denotes language that does not appear on the market labeling